

## Federation of Earth Science Information Partners Partnership Application

Please complete all sections to the fullest extent possible and forward completed application to: Carol Meyer, [carol.meyer@earthsciencefoundation.org](mailto:carol.meyer@earthsciencefoundation.org). If you have any questions, please contact her at 877.870.3747.

### I. CONTACT INFORMATION

#### A. Primary Contact/Principal Investigator

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#### B. Designated Assembly Representative (could be same as above)

Name: Lee Marsh, Applications Programmer  
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#### C. Other Contacts

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## II. ABOUT YOUR ORGANIZATION

### A. ORGANIZATION/DIVISION/PROJECT NAME:

USA National Phenology Network

### B. OVERVIEW OF YOUR PRIMARY ACTIVITIES in regards to the Earth Sciences Community (200 words or less)

The USA National Phenology Network (USA-NPN) monitors the influence of climate on the phenology of plants, animals, and landscapes. Phenology is the study of seasonal life cycle events in plants and animals. The USA-NPN monitors phenology by encouraging people to observe phenological events like leaf out, flowering, migrations, and egg laying, and by providing a place for people to enter, store, and share their observations. We also work with researchers to develop tools and techniques to use these observations to support a wide range of decisions made routinely by citizens, managers, scientists and others, including decisions related to allergies, wildfires, water, and conservation.

### C. Please list and briefly describe the primary product(s) or service(s) that your organization provides (will provide) to the Earth Sciences community.

We seek to develop and share extensible tools for phenology data discovery and integration, visualization and analysis. We are able to share lessons learned on citizen science data collection and storage. We seek to develop tools for data quality control and assurance. We also aim to provide web services that other organizations might use to pull and display phenology data.

### D. Please give a main website address for the proposed Partnership:

Web Address: [www.usanpn.org](http://www.usanpn.org)

### **III. HOW YOUR ORGANIZATION WILL BENEFIT FROM/CONTRIBUTE TO THE EARTH SCIENCE INFORMATION PARTNERS (ESIP) FEDERATION**

- A. Describe current or anticipated users of your products and services and how you think the Federation can help you better serve this population. (200 words or less)

Our users range from citizen science observers to social and natural scientists and land managers. We anticipate that working with partners in ESIP we will make gains in terms of specific tools and technologies for serving and receiving data from our users. We envision we will benefit from direct contact with developers from efforts similar to ours within ESIP. We also expect such participation will result in increased exposure of our products to potential users.

- B. Describe any Earth science technologies that you have developed and are willing to bring to the Federation's efforts to provide best-practices. (200 words or less)

We have developed a Drupal based metadata editor for phenology data that we would be willing to share (a very similar tool was developed by USGIN with broader applications). We anticipate developing further tools for data integration and discovery that could serve the federation.

- C. Describe how your proposed membership would contribute to the efforts and the mission of one or more standing committees, working groups and/or clusters. See Page 3 for descriptions of the different activities of the various standing committees, working groups, and clusters. (200 words or less)

As an organization, our user group is broad – spanning the general public, educators and scientists – putting us in a good position to promote both the education and community engagement groups. We would be interested in being active on the Information Technology and Interoperability committee, based on our above-stated interests in data integration. We are initiating several web service projects, and would be able to contribute and learn from the Web Services Cluster, as well.

- D. Describe your own use of Earth science information and data and how you would see this use enhanced by your partnership in the Federation. (200 words or less)

We can envision using the rich data sources represented in the community to enhance our data products (e.g presenting phenology data alongside temperature and precipitation summaries).

### **IV. YOUR CHOICE OF MEMBERSHIP TYPE. PLEASE PICK ONE.**

ESIP-I (primarily a data center/archive) ☐

ESIP-II (primarily a research center) ☒

ESIP-III (primarily applications and education) ☐

ESIP-IV (primarily a sponsoring member) ☐

### **V. Any other comments about your proposed membership and its relation to the Federation that you wish to provide.**

**Thank you for your application for partnership in the ESIP Federation.**

## List of Federation Committees and Clusters

### Administrative Committees

*Executive Committee:* Comprised of all standing and administrative committee chairs, ESIP Type Representatives, the President and Vice President of the Federation. Oversight body for most day-to-day activities of the Federation, acts on behalf of the Assembly between meetings.

*Constitution and Bylaws:* Provides counsel on matters related to the constitution and bylaws and other related issues (e.g. amendments to government documents)

*Finance and Appropriations:* Oversees financial resources of the Federation, including the annual budgeting process.

*Partnership:* Reviews and processes all applications for membership before making applications available for review by members of the Federation. Deals with other membership-related issues.

### Standing Committees:

*Commercial Development:* Promotes a forum wherein commercial development of Earth science information can be fostered. (inactive)

*Community Engagement:* Provides a forum for the Federation to promote partner products and to engage new users for data products and services. (inactive)

*Education:* Provides a forum to make accessible to educators and learners at all levels in both formal and informal educational contexts the Earth science data, information, tools, and curricula available within the ESIP Federation.

*Information Technology and Interoperability:* Provides a forum for discussing information technology and interoperability issues of the Earth science community and serves as a central point for activities in this realm.

*Products and Services:* Provides a forum for defining best practices and defining requirements for earth science products and services. Currently is involved in developing an inventory of partner products and services.

### Clusters (presently active, April 2009):

Web Services  
Semantic Web  
Data Preservation and Stewardship  
Decisions  
Air Quality  
Federated Search  
Water